

CA-NV AWWA Water Loss Technical Assistance Program Wave 4 Water Audit Level 1 Validation Document

Water System Name: Las Virgenes Municipal Water District Water System ID Number: 1910225 Water Audit Period: Calendar 2016

Water Audit & Water Loss Improvement Steps:

Steps taken in preceding year to increase data validity, reduce real loss and apparent loss as informed by the annual validated water audit:

The District assembled a water loss audit team to more rigorously investigate water auditing and water loss, and each was provided access to copies of the M36 manual. Main break log sheets were revised to include start and stop times. Staff met to plan proactive meter testing and improve testing documentation. A report was created with recommendations to management.

Certification Statement by Utility Executive:

This water loss audit report meets the requirements of California Code of Regulations Title 23, Division 2, Chapter 7 and the California Water Code Section 10608.34 and has been prepared in accordance with the method adopted by the American Water Works Association, as contained in their manual, *Water Audits and Loss Control Programs, Manual M36, Fourth Edition* and in the Free Water Audit Software version 5.

Utility Provided

David W. Pedersen, P.E.
Executive Name (Print)

General Manager
Executive Position

Carlos G. Reyes, P.E. for D.W.P.
Signature

9/21/2017
Date

CA-NV AWWA Water Loss Technical Assistance Program

Wave 4 Water Audit Level 1 Validation Document

Audit Information:

Utility: Las Virgenes Municipal Water District PWS ID: 1910225
System Type: Potable Audit Period: Calendar 2016
Utility Representation: Dave Roberts, Scott Harris, Coleman Olinger, Jan Dougall
Validation Date: 6/26/2017 Call Time: 1:00pm Sufficient Supporting Documents Provided: Yes

Validation Findings & Confirmation Statement:

Key Audit Metrics:

Data Validity Score: 57 Data Validity Band (Level): Band III (51-70)
ILI: 1.23 Real Loss: 39.14 (gal/conn/day) Apparent Loss: 11.26 (gal/conn/day)
Non-revenue water as percent of cost of operating system: 4.1

Certification Statement by Validator:

This water loss audit report has been Level 1 validated per the requirements of California Code of Regulations Title 23, Division 2, Chapter 7 and the California Water Code Section 10608.34.

All recommendations on volume derivation and Data Validity Grades were incorporated into the water audit. ☒

Validator Information:

Water Audit Validator: Steve Cavanaugh / Jeff Cappadona (support) Validator Qualifications: Contractor for CA-NV AWWA Water Loss TAP

Validator Provided